WHAT IS CLAIMED IS:

1. A method of integrating characterization information associated with a target image for use with a color reproduction device comprising:

obtaining a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

updating the entry in the measurement store to include spatial information of the color patch in the target image;

obtaining a measurement of the color patch in the target image; and

updating the entry in the measurement store to include the measurement.

2. A method according to Claim 1, wherein the measurement store is an ASCII data file.

3. A method according to Claim 2, wherein the data file is an IT8-formatted data file.

4. A method according to Claim 1, wherein the spatial information comprises a location of the color patch in the target image.

5. A method according to Claim 1, wherein the spatial information comprises color patch size information.

6. A method according to Claim 1, wherein the color reproduction device is an input device, the method further comprising:

obtaining a digital copy of the target image using the input device; and

retrieving a control signal corresponding to a detected color of the color patch in the target image;

updating the entry in the measurement store to include the control signal.

7. A method according to Claim 6, wherein updating the entry in the measurement store to include the control signal further comprising:

replacing the color value in the measurement store with the control signal.

8. A method according to Claim 6, wherein updating the entry in the measurement store to include the control signal further comprising:

adding an input signal component to the entry which comprises the control signal.

9. A method according to Claim 1, wherein the color reproduction device is a printer, obtaining a measurement of a color patch reproduced by the printer further comprising:

printing the color patch using the printer and the color value of the entry in the measurement store; and

measuring a printed color corresponding to the color patch.

10. A method according to Claim 1, wherein the color reproduction device is a monitor, obtaining a measurement of a color patch reproduced by the monitor further comprising:

displaying the color patch on the monitor using the color value of the entry in the measurement store; and

measuring a displayed color corresponding to the color patch.

11. A method according to Claim 1, wherein the method further comprising:

identifying a measurement status using the measurement store.

12. A method according to Claim 11, wherein an entry format includes a color value component, a spatial component and a measurement component, identifying a measurement status further comprising:

examining the measurement store to determine whether the entry is missing data in at least one of the components.

13. A method according to Claim 12, wherein examining the measurement store to determine whether the entry is missing data further comprising:

determining whether the entry includes a placeholder representing the missing data.

14. A method according to Claim 13, wherein the placeholder is a non-numeric placeholder.

15. A method according to Claim 12, wherein the method further comprising:

initiating measurement at a point of updating the measurement store to include spatial information, if the entry's spatial component is missing all or some portion.

16. A method according to Claim 12, wherein the method further comprising:

obtaining a measurement of the color patch, if the measurement component is missing all or some portion.

17. A method according to Claim 1, wherein the method further comprising:

generating the color patch in the target image using the color value of the entry in the measurement store.

18. A method according to Claim 17, wherein generating the color patch in the target image further comprising:

updating the measurement store to include target dimension information.

19. A method according to Claim 1, wherein the method further comprising:

generating the target image using the color value to provide input to the output color device.

20. A method according to Claim 1, wherein the method further comprising:

characterizing the color reproduction device using the measurement store.

21. A computer-readable medium which stores computer-executable process steps for integrating characterization information associated with a target image for use with a color reproduction device, the computer-readable process steps comprising:

an obtaining step to obtain a measurement store having an entry corresponding to a color patch of a target image, the entry comprising a color value of the color patch;

an updating step to update the entry in the measurement store to include spatial information of the color patch in the target image;

an obtaining step to obtain a measurement of the color patch in the target image; and

an updating step to update the entry in the measurement store to include the measurement.

22. A computer-readable medium according to Claim 21, wherein the measurement store is an ASCII data file.

23. A computer-readable medium according to Claim 22, wherein the data file is an IT8-formatted data file.

5   24. A computer-readable medium according to Claim 21, wherein the spatial information comprises a location of the color patch in the target image.

10   25. A computer-readable medium according to Claim 21, wherein the spatial information comprises color patch size information.

          26. A computer-readable medium according
15   to Claim 21, wherein the color reproduction device is an input device, the computer-executable process steps further comprising:
          an obtaining step to obtain a digital copy of the target image using the input device; and
20   a retrieving step to retrieve a control signal corresponding to a detected color of the color patch in the target image;
          an updating step to update the entry in the measurement store to include the control signal.

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          27. A computer-readable medium according to Claim 26, wherein the updating step to update the entry in the measurement store to include the control signal further comprising:
30   a replacing step to replace the color value in the measurement store with the control signal.

28. A computer-readable medium according to Claim 26 wherein the updating step to update the entry in the measurement store to include the control signal further comprising:

an adding step to add an input signal component to the entry which comprises the control signal.

29. A computer-readable medium according to Claim 21 wherein the color reproduction device is a printer, the obtaining step to obtain a measurement of a color patch reproduced by the printer further comprising:

a printing step to print the color patch using the printer and the color value of the entry in the measurement store; and

a measuring step to measure a printed color corresponding to the color patch.

30. A computer-readable medium according to Claim 21 wherein the color reproduction device is a monitor, the obtaining step to obtain a measurement of a color patch reproduced by the monitor further comprising:

a displaying step to display the color patch on the monitor using the color value of the entry in the measurement store; and

a measuring step to measure a displayed color corresponding to the color patch.

31. A computer-readable medium according to Claim 21, wherein the computer-executable process steps further comprising an identifying step to identify a measurement status using the measurement store.

32. A computer-readable medium according to Claim 31, wherein an entry format includes a color value component, a spatial component and a measurement component, the identifying step to identify a measurement status further comprising:

an examining step to examine the measurement store to determine whether the entry is missing data in at least one of the components.

33. A computer-readable medium according to Claim 32, wherein the examining step to examine the measurement store to determine whether the entry is missing data further comprising:

a determining step to determine whether the entry includes a placeholder representing the missing data.

34. A computer-readable medium according to Claim 33, wherein the placeholder is a non-numeric placeholder.

35. A computer-readable medium according to Claim 32, wherein the computer-executable process steps further comprising:

an initiating step to initiate
measurement at a point of updating the measurement
store to include spatial information, if the entry's
spatial component is missing all or some portion.

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36. A computer-readable medium according
to Claim 32, wherein the computer-executable process
steps further comprising:

an obtaining step to obtain a measurement

10   of the color patch, if the measurement component is
missing all or some portion.

37. A computer-readable medium according
to Claim 21, wherein the computer-executable process

15   steps further comprising:

a generating step to generate the color
patch in the target image using the color value of
the entry in the measurement store.

20   38. A computer-readable medium according
to Claim 37, wherein the generating step to generate
the color patch in the target image further
comprising:

an updating step to update the measurement

25   store to include target dimension information.

39. A computer-readable medium according
to Claim 21, wherein the computer-executable process
steps further comprising:

a generating step to generate the target
image using the color value to provide input to the
output color device.

5   40.   A computer-readable medium according
to Claim 21, wherein the computer-executable process
steps further comprising:
           a characterizing step to characterize the
color reproduction device using the measurement
10   store.

           41.   A memory for integrating
characterization information associated with a
target image for use with a color reproduction
15   device, the memory comprising:
           a color component comprising a color value
representing a color patch of a target image;
           a spatial component, the spatial component
comprising position information of the color patch
20   in the target image generated using the color value;
and
           a measurement component, the measurement
component representing a measurement of the color
patch.
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           42.   A memory according to Claim 41,
wherein the memory is an ASCII data file.

           43.   A memory according to Claim 42,
30   wherein the data file is an IT8-formatted data file.

44. A memory according to Claim 41, wherein the spatial component includes a location of the color patch in the target image.

45. A memory according to Claim 41, wherein the spatial component includes color patch size information.

46. A memory according to Claim 41, wherein a placeholder is usable in the spatial and measurement components to identify missing data.

47. A memory according to Claim 46, wherein the placeholder is a non-numeric placeholder.

48. A memory according to Claim 41, wherein the memory further comprising a format structure including format information of said memory.

49. A memory according to Claim 48, wherein the format information comprises at least one position tag identifying a data type of an element in the spatial component.

50. A memory according to Claim 48, wherein the format information includes dimension information of the target image.

51. A memory according to Claim 48, wherein the format information includes a uniform sizing of color patches in the target image.

5 52. A memory according to Claim 48, wherein the format information includes a unit of measure of elements in the spatial component.

53. A memory according to Claim 41,
10 wherein the memory further comprising:

a signal component comprising a control signal representing a detected color of the color patch.

15 54. A memory according to Claim 53, wherein the signal component is stored in place of the color component.